



Federal Communications Commission

Approved by OMB
3060-0999
See instructions for
public burden
estimate.

Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: July 1, 2017 – June 30, 2018

Filing Confirmation Number: 0008273369

Filing Deadline: July 16, 2018

FRN: 0008512311

Filing Date: 07/05/2018 12:18 PM

General Report Information

Type of Company

Device Manufacturer

De Minimis Exception

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? No

Were you a small entity at any time during the three years prior to the end of the reporting period?
No

Date that you ceased to be a small entity?

Company Information

Company Name: Microsoft Corporation

Brand Names: Microsoft

PO Box:

Street Address: One Microsoft Way

City: Redmond

State: WA

Zip Code: 98052

Contact Name: Ann Marie Rohaly

Contact Phone: (425) 722-0689

Contact Fax:

Contact Email: annmarie.rohaly@microsoft.com

Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? No

Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are

capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19–2007, include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operation?

N/A

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19–2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19–2011 for one or more operations that are not covered under ANSI C63.19–2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

N/A

Explain:

Do all handsets that are capable of use for Voice over LTE or Wi-Fi Calling, and that were certified for inductive coupling capability under ANSI C63.19–2011 without being tested for inductive coupling capability over Voice over LTE or Wi-Fi Calling, include language disclosing that they were not tested with respect to this operation?

Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels. Yes

Website address:

<https://www.microsoft.com/en-ww/mobile/accessibility/hearing-aid-compatibility/>

Explain:

Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Information on products' accessibility features including

hearing loss-specific online information is available from the following sources:

<http://www.microsoft.com/en/mobile/accessibility/>

The main advocacy support and organizational participation:

- TIA
- ITI

Key customer events: keynote speeches, panel participation, customer sessions

- 2017: Accessing Higher Ground, Closing the Gap, USBLN Annual National Conference
- 2018: CSUN, M-Enabling Summit, Northwest DeafBlind Conference

Microsoft also works with advocacy groups to actively explore future technologies, solutions, and advances in device

features for our customers with disabilities. For example,

- held an onsite summit with members of the World Blind Union at our corporate headquarters

in October 2017

- partnered with the Shepherd Center's Accessibility User Research Collective to conduct studies and collect feedback from the disability community
- established a partnership with Rochester Institute of Technology's National Technical Institute for the Deaf to pilot the use of AI-powered speech and language technology in the classroom

Customer care

In addition to training customer care representatives, Microsoft personnel are available to answer questions and offer assistance through:

- Twitter, <https://twitter.com/MSFTEnable>
- Direct email addresses included on our websites
- Direct phone numbers and email addresses to our offices in print materials
- Dedicated website addressing accessibility, <http://www.microsoft.com/en/mobile/accessibility/>
- Disability Answer Desk, <https://support.microsoft.com/en-us/answerdesk/accessibility>

Hearing Aid Testing

How many handset models were tested for hearing aid compatibility during the reporting period? 0

Report Remarks

You have reported the following handset model summary information.

Total number of handsets offered: 6

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
GSM	6	100%					6
WCDMA	6	100%					6
LTE	6	100%					6
Wi-Fi	6	100%					6

Handset 1: Microsoft Lumia 550

Handset Maker

Microsoft

Handset Model Name

Lumia 550

FCC ID

PYARM-1128

Air Interfaces/Frequency Bands

850 MHz GSM

850 MHz WCDMA

850 MHz LTE

1700 MHz WCDMA

1700 MHz LTE

1900 MHz GSM

1900 MHz WCDMA

1900 MHz LTE
2.5 GHz LTE
750 MHz LTE
2450 MHz Wi-Fi

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M3

M-Rating Certification Date: 10/22/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 10/22/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

Handset 2: Microsoft Lumia 640XL(a)

Handset Maker

Microsoft

Handset Model Name

Lumia 640XL(a)

FCC ID

PYAAAA

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.4 GHz Wi-Fi
2600 MHz LTE

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M3

M-Rating Certification Date: 02/11/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 02/11/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

This device was marketed as the "Microsoft Lumia 640XL". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 640XL, which is listed in previous years' reports as the Microsoft Lumia 640XL(b).

Handset 3: Microsoft Lumia 650(b)

Handset Maker

Microsoft

Handset Model Name

FCC ID

Lumia 650(b)

PYARM-1154

Air Interfaces/Frequency Bands

850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.5 GHz LTE
2450 MHz Wi-Fi
2600 MHz LTE

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M4

M-Rating Certification Date: 02/04/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by

no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 02/04/16

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

This device was marketed as the "Microsoft Lumia 650". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 650, which was listed in previous years' reports as the Microsoft Lumia 650(a).

Handset 4: Microsoft Lumia 950(a)

Handset Maker

Microsoft

Handset Model Name

Lumia 950(a)

FCC ID

PYARM-1105

Air Interfaces/Frequency Bands

850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.5 GHz LTE
5.0 GHz Wi-Fi
750 MHz LTE
2300 MHz LTE
2450 MHz Wi-Fi

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M4

M-Rating Certification Date: 11/04/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by

no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 11/04/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

This device was marketed as the "Microsoft Lumia 950". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950, which is listed in this report as the Microsoft Lumia 950(b).

Handset 5: Microsoft Lumia 950(b)

Handset Maker

Microsoft

Handset Model Name

Lumia 950(b)

FCC ID

PYASTT

Air Interfaces/Frequency Bands

850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.5 GHz LTE
5.0 GHz Wi-Fi
750 MHz LTE
2450 MHz Wi-Fi

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M4

M-Rating Certification Date: 11/11/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by

no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 11/11/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

This device was marketed as the "Microsoft Lumia 950". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950, which is listed in this report as the Microsoft Lumia 950(a).

Handset 6: Microsoft Lumia 950XL(a)

Handset Maker

Microsoft

Handset Model Name

Lumia 950XL(a)

FCC ID

PYARM-1116

Air Interfaces/Frequency Bands

850 MHz GSM
850 MHz WCDMA
850 MHz LTE
1700 MHz WCDMA
1700 MHz LTE
1900 MHz GSM
1900 MHz WCDMA
1900 MHz LTE
2.5 GHz LTE
5.0 GHz Wi-Fi
750 MHz LTE
2450 MHz Wi-Fi

Dates

This handset model was offered from: 01/18 to 02/18

Ratings

M-Rating: M4

M-Rating Certification Date: 10/27/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by

no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 10/27/15

Version of the ANSI C63.19 standard used during the certification process: 2011

Remarks

This device was marketed as the "Microsoft Lumia 950XL". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950XL, which is listed in previous years' reports as the Microsoft Lumia 950XL(b).

Certification

This Report has been certified by:

Ann Marie Rohaly PhD Director, Regulatory Affairs
07/05/2018 12:18 PM